

Mouse Mitochondrial uncoupling protein 2 (UCP2) ELISA Kit | UCP2 elisa kit

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CATALOG #
AAA27251

REACTIVITY
Mouse

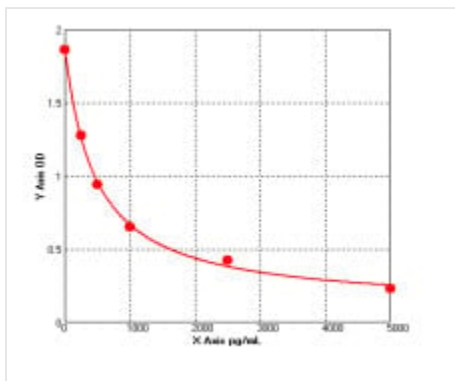
PRODUCT SYNONYMS

Mitochondrial uncoupling protein 2 (UCP2); Mouse Mitochondrial uncoupling protein 2 (UCP2) ELISA Kit; UCP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of UCP2. No significant cross-reactivity or interference between UCP2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between UCP2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UCP2 elisa kit	Principle of the Assay: UCP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-UCP2 antibody and an UCP2-HRP conjugate. The assay sample and buffer are incubated together with UCP2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the UCP2 concentration since UCP2 from samples and UCP2-HRP conjugate compete for the anti-UCP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by UCP2 from the sample, fewer sites are left to bind UCP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The UCP2 concentration in each sample is interpolated from this standard curve. Intended Uses: This UCP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse UCP2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13259541
NCBI GeneID	7351
NCBI Accession #	NP_003346.2
NCBI GenBank Nucleotide #	NM_003355.2
Molecular Weight	33,229 Da
NCBI Official Full Name	mitochondrial uncoupling protein 2
NCBI Official Synonym Full Names	uncoupling protein 2 (mitochondrial, proton carrier)
NCBI Official Symbol	UCP2
NCBI Official Synonym Symbols	UCPH; BMIQ4; SLC25A8
NCBI Protein Information	mitochondrial uncoupling protein 2; UCP 2; solute carrier family 25 member 8
UniProt Protein Name	Mitochondrial uncoupling protein 2
UniProt Gene Name	UCP2
UniProt Synonym Gene Names	SLC25A8; UCP 2
UniProt Entry Name	UCP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/mitochondrial-uncoupling-protein-2-ucp2/27251>